

for securing the supplies on the carrier's equipment, or if only a special mode of transportation or type vehicle is appropriate, the contracting officer shall include in solicitations detailed specifications that have been coordinated with the transportation office.

**47.305-16 Shipping characteristics.**

(a) *Required shipping weights.* The contracting officer shall insert in solicitations and contracts the clause at 52.247-59, F.o.b. Origin—Carload and Truckload Shipments, when it is contemplated that they may result in f.o.b. origin contracts with shipments in carloads or truckloads. This will facilitate realistic freight cost evaluations of offers and ensure that contractors produce economical shipments of agreed size.

(b) *Guaranteed shipping characteristics.* (1) The contracting officer shall insert in solicitations and contracts, excluding those at or below the simplified acquisition threshold, the clause at 52.247-60, Guaranteed Shipping Characteristics, when shipping and other characteristics are required to evaluate offers as to transportation costs. When all of the shipping characteristics listed in paragraph (a) of the clause at 52.247-60 are not required to evaluate offers as to transportation costs, the contracting officer shall delete the characteristics not required from the clause.

(2) The award document shall show the shipping characteristics used in the evaluation.

(c) *Minimum size of shipments.* When volume rates may apply, the contracting officer shall insert in solicitations and contracts the clause at 52.247-61, F.o.b. Origin—Minimum Size of Shipments.

(d) *Specific quantities unknown.* (1) When total requirements and destinations to which shipments will be made are known, but the specific quantity to be shipped to each destination cannot be predetermined, solicitations shall state that offers are to be submitted on the basis of delivery *f.o.b. origin* and/or *f.o.b. destination* and that offers will be evaluated on both bases.

(2) The contracting officer shall insert in solicitations and contracts the clause at 52.247-62, Specific Quantities Unknown, when total requirements and

destinations to which shipments will be made are known, but the specific quantity to be shipped to each destination cannot be predetermined. This clause protects the interests of both the Government and the contractor during the course of the performance of the contract.

[48 FR 42424, Sept. 19, 1983, as amended at 54 FR 48990, Nov. 28, 1989; 60 FR 34760, July 3, 1995; 61 FR 39190, July 26, 1996]

**47.305-17 Returnable cylinders.**

The contracting officer shall insert the clause at 52.247-66, Returnable Cylinders, in a solicitation and contract whenever the contract involves the purchase of gas in contractor-furnished returnable cylinders and the contractor retains title to the cylinders.

[59 FR 11386, Mar. 10, 1994]

**47.306 Transportation factors in the evaluation of offers.**

When evaluating offers, contracting officers shall consider transportation and transportation-related costs as well as the offerors' shipping and receiving facilities.

**47.306-1 Transportation cost determinations.**

When requesting the transportation officer to assist in evaluating offers, the contracting officer shall give the transportation officer all pertinent data, including the following information:

(a) A complete description of the commodity being acquired including packaging instructions.

(b) Planned date of award.

(c) Date of initial shipment.

(d) Total quantity to be shipped (including weight and cubic content, when appropriate).

(e) Delivery schedule.

(f) Contract period.

(g) Possible use of transit privileges, including stopoffs for partial loading or unloading, or both.

**47.306-2 Lowest overall transportation costs.**

(a) For the evaluation of offers, the transportation officer shall give to the